FACT SHEET

as required by LAC 33:IX.3111 for major LPDES facilities, for draft **Louisiana Pollutant Discharge Elimination System Permit No. LA0042048; AI 2918; PER20090001** to discharge to waters of the **State of Louisiana** as per LAC 33:IX.2311.

The **permitting authority** for the Louisiana Pollutant Discharge Elimination System (LPDES) is:

Louisiana Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

I. **THE APPLICANT IS:** Jefferson Parish Department of Sewerage
Marrero Wastewater Treatment Plant
1221 Elmwood Park Blvd., Suite 803
Jefferson, LA 70123

II. **PREPARED BY:** Darlene Bernard

DATE PREPARED: October 29, 2009

III. **PERMIT ACTION:** reissue LPDES permit LA0042048, AI 2918; PER20090001

LPDES application received: July 23, 2009

Previous LPDES permit effective: February 1, 2005
Previous LPDES permit expires: January 31, 2010

IV. **FACILITY INFORMATION:**

A. The application is for the discharge of treated sanitary wastewater from a publicly owned treatment works serving the Marrero area.

B. The permit application does indicate the receipt of industrial wastewater. The industrial dischargers include:

Name of Discharger	Flow
Omega Refining, LLC	20,000 GPD
Stewart & Stevenson, LLC	5,000 GPD
West Jefferson Medical Center	17,000 GPD

C. The facility is located at 6250 Lapalco Blvd., Marrero, Jefferson Parish.

D. The treatment facility consists of fine bar screening, primary clarification, 2 trickling filter trains, 1 activated sludge processing train, solids contact, secondary clarification, disinfection using sodium hypochlorite, aerobic digestion, dewatering using polymer and belt presses. Sludge is disposed of in a municipal solid waste landfill.

E. Outfall 001

Discharge Location: Latitude 29° 54' 17" North
Longitude 90° 07' 03" West

Description: treated sanitary wastewater

Design Capacity: 11.25 MGD
Type of Flow Measurement which the facility is currently using:

Totalizing Meter

V. RECEIVING WATERS:

The discharge is into the Mississippi River in Subsegment 070301 of the Mississippi River Basin. This segment is not listed on the 303(d) list of impaired waterbodies.

The **critical low flow** (7Q10) of the Mississippi River is 141,955 cfs.

The **hardness value** is 152.7 mg/l and the **fifteenth percentile value for TSS** is 31.4 mg/l.

The designated uses and degree of support for Subsegment 070301 of the Mississippi River Basin are as indicated in the table below[1/]:

Overall Degree of Support for Segment	Degree of Support of Each Use						
Full	Primary Contact Recreation	Secondary Contact Recreation	Propagation of Fish & Wildlife	Outstanding Natural Resource Water	Drinking Water Supply	Shell fish Propagation	Agriculture
	Full	Full	Full	N/A	Full	N/A	N/A

[1/] The designated uses and degree of support for Subsegment 070301 of the Mississippi River Basin are as indicated in LAC 33:IX.1123.C.3, Table (3) and the 2006 Water Quality Management Plan, Water Quality Inventory Integrated Report, Appendix A, respectively.

VI. ENDANGERED SPECIES:

The receiving waterbody, Subsegment 070301 of the Mississippi River Basin, is listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS) as habitat for the Pallid Sturgeon, which is listed as an endangered species. Since effluent limitations are established in the permit to ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat, LDEQ has determined that the issuance of this LPDES permit is not likely to adversely affect the Pallid sturgeon or its aquatic habitats. As instructed by the FWS in a letter dated November 17, 2008, from Rieck (FWS) to Nolan (LDEQ), this fact sheet has been sent to the FWS for review and consultation.

VII. HISTORIC SITES:

The discharge is from an existing facility location, which does not include an expansion beyond the existing perimeter. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the 'Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits' no consultation with the Louisiana State Historic Preservation Officer is required.

VIII. PUBLIC NOTICE:

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit modification and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

For additional information, contact:

Ms. Darlene Bernard
Permits Division
Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

IX. PROPOSED PERMIT LIMITS:

Subsegment 070301, Mississippi River-from Monte Sano Bayou to Head of Passes, is not listed on LDEQ's Final 2006 303(d) List as impaired, and to date no TMDL's have been established. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by any future TMDLs.

The previous permit contained reporting requirements for Phosphorous and TKN. These reporting requirements were for informational gathering purposes because the receiving waterbody was listed as impaired for phosphorous and nitrogen. However, since the issuance of the previous permit, the Water Quality Inventory Section 305(b) Report (2006) indicates the subsegment is supportive of its designated uses, thus, the monitoring requirements for these parameters have been removed from the permit.

Final Effluent Limits:

OUTFALL 001 –

Final limits shall become effective on the effective date of the permit and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg. (lbs./day)	Monthly Avg.	Weekly Avg.	Basis
BOD_5	2815	30 mg/l	45 mg/l	Limits are set in accordance with the Statewide Sanitary Effluent Limitations Policy (SSELP) for facilities of this treatment type and size which discharge into the Mississippi River and previous permit conditions.
TSS	2815	30 mg/l	45 mg/l	Since there are no numeric water quality criterion for TSS, and in accordance with the current Water Quality Management Plan, the TSS effluent limitations shall be based on a case-by-case evaluation of the treatment technology being utilized at a facility. Therefore, a Technology Based Limit has been established through Best Professional Judgement for the type of treatment technology utilized at this facility.

Other Effluent Limitations:

1) **pH**

According to LAC 33:IX.3705.A.1., POTW's must treat to at least secondary levels. Therefore, in accordance with LAC 33:IX.5905.C, the pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time.

2) **Solids and Foam**

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

3) **Fecal Coliform**

The discharge from this facility is into a water body which has a designated use of Primary Contact Recreation. According to LAC 33:IX.1113.C.5.a, the fecal coliform standards for this water body are 200/100 ml and 400/100 ml. Therefore, the limits of 200/100 ml (Monthly Average) and 400/100 ml (Weekly Average) are proposed as Fecal Coliform limits in the permit. These limits are being proposed through Best Professional Judgement in order to ensure that the water body standards are not exceeded, and due to the fact that existing facilities have demonstrated an ability to comply with these limitations using present available technology.

Toxicity Characteristics

In accordance with EPA's Region 6 Post-Third Round Toxics Strategy, permits issued to treatment works treating domestic wastewater with a flow (design or expected) greater than or equal to 1 MGD shall require biomonitoring at some frequency for the life of the permit or where available data show reasonable potential to cause lethality, the permit shall require a whole effluent toxicity (WET) limit (*Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards*, October, 2009 VERSION 7).

Whole effluent biomonitoring is the most direct measure of potential toxicity which incorporates the effects of synergism of the effluent components and receiving stream water quality characteristics. Biomonitoring of the effluent is, therefore, required as a condition of this permit to assess potential toxicity. LAC 33:IX.1121.B.3. provides for the use of biomonitoring to monitor the effluent for protection of State waters. The biomonitoring procedures stipulated as a condition of this permit are as follows:

The permittee shall submit the results of any biomonitoring testings performed in accordance with the LPDES Permit No. LA0042048, **Biomonitoring Section** for the organisms indicated below.

Chronic toxicity tests are generally required of those discharges with potential toxicity using critical dilutions as determined by an applicable dilution model. However, equivalent acute toxicity testing is allowed, and is being proposed in this permit, in lieu of chronic toxicity testing for discharges that have a critical dilution of 5% or less.

TOXICITY TESTS	FREQUENCY
Acute static renewal 48 Hour Definitive Toxicity Test using Daphnia pulex	1/Year
Acute static renewal 48 Hour Definitive Toxicity Test using fathead minnow (Pimephales promelas)	1/Year

Dilution Series - The permit requires five (5) dilutions in addition to the control (0% effluent) to be used in the toxicity tests. These additional concentrations shall be 0.16%, 0.21%, 0.28%, 0.37%, and 0.49%. The biomonitoring critical dilution is defined as 0.37% effluent. The critical dilution is calculated in Appendix B-1 of this fact sheet. According to the Implementation of State Standards, acute toxicity testing in addition to, or in lieu of, chronic toxicity testing may be imposed for discharges that have a critical dilution of five percent (5%) or less. An acute to chronic ratio has been applied in the calculations. Results of all

dilutions shall be documented in a full report according to the test method publication mentioned in the **Biomonitoring Section** under Whole Effluent Toxicity. This full report shall be submitted to the Office of Environmental Compliance as contained in the Reporting Paragraph located in the **Biomonitoring Section** of the permit.

The permit may be reopened to require effluent limits, additional testing, and/or other appropriate actions to address toxicity if biomonitoring data show actual or potential ambient toxicity to be the result of the permittee's discharge to the receiving stream or water body. Modification or revocation of the permit is subject to the provisions of LAC 33:IX.2383. Accelerated or intensified toxicity testing may be required in accordance with Section 308 of the Clean Water Act.

Toxic Substances

Due to drinking water supply being a designated use, the permittee shall analyze the final effluent for the presence of the following toxic substances. The MQL is intended as action levels. Should a toxic substance exceed the MQL, the permittee shall determine the source of the substance and take whatever measures necessary to secure abatement in order to protect all drinking water sources downstream of the discharge. Records of any actions taken shall be made available upon request by any duly authorized regional inspectors and/or LDEQ Headquarter representatives.

A report containing the results of the lab analysis indicating if any toxic substances have exceeded the MQL including a brief summary of any abatement taken at the time, must be submitted to this Office within 20 days of completion of the analysis. **The first analysis shall be performed within six months following the effective date of the permit, and every six months thereafter, by a 24-hour composite sample type.**

Reports must be submitted to the following address:

Department of Environmental Quality
Office of Environmental Compliance
Enforcement Division
Post Office Box 4312
Baton Rouge, Louisiana 70821-4312

TOXIC SUBSTANCES

TOXIC SUBSTANCES (CAS NO.)	Required MQL (µg/l)
VOLATILE ORGANIC CHEMICALS	
Acrolein (107-02-8)	50
acrylonitrile (107-13-1)	50
benzene (71-43-2)	10
bromodichloromethane (dichlorobromomethane) (75-27-4)	10
bromoform (tribromomethane) (75-25-2)	10
carbon tetrachloride (56-23-5)	10
chlorobenzene (108-90-7)	10
chloroform (trichloromethane)	10
chloromethane (methyl chloride) (74-87-3)	50

1,1-dichloroethane (75-34-3)	10
1,2-dichloroethane (107-06-2)	10
1,1-dichloroethylene (75-35-4)	10
dichloromethane (methylene chloride) (75-09-2)	20
cis-1,3-dichloropropene	10
trans-1,3-dichloropropene	10
ethylbenzene (100-41-4)	10
para-dichlorobenzene	---
1,1,2,2-tetrachloroethane (79-34-5)	10
tetrachloroethylene (127-18-4)	10
toluene (108-88-3)	10
1,1,1-trichloroethane (71-55-6)	10
1,1,2-trichloroethane (79-00-5)	10
trichloroethylene (79-01-6)	10
vinyl chloride (chloroethylene) (75-01-4)	10
ACID EXTRACTABLE ORGANIC CHEMICALS	
2-chlorophenol (95-57-8)	10
3-chlorophenol	10
4-chlorophenol	10
2,4-dichlorophenol (120-83-2)	10
2,3-dichlorophenol	10
2,5-dichlorophenol	10
2,6-dichlorophenol	10
3,4-dichlorophenol	10
2,4-dinitrophenol (51-28-5)	50
pentachlorophenol (87-86-5)	50
phenol (108-95-2)	10
2,4,6-trichlorophenol (88-06-2)	10
BASE/NEUTRAL EXTRACTABLE ORGANIC CHEMICALS	
anthracene (120-12-7)	10
benzidine (92-87-5)	50
bis(2-chloroethyl)ether (111-44-4)	10
bis(2-chloro-1-methylethyl)ether (39638-32-9)	10
bis(2-ethylhexyl)phthalate (117-81-7)	10
di-n-butyl phthalate (84-74-3)	10
1,3-dichlorobenzene (541-73-1)	10
1,2-dichlorobenzene (95-50-1)	10
1,4-dichlorobenzene (106-46-7)	10
3,3-dichlorobenzidine (91-94-1)	50
diethyl phthalate (84-66-2)	10

dimethyl phthalate (131-11-3)	10
2,4-dinitrotoluene (121-14-2)	10
1,2-diphenylhydrazine (122-66-7)	20
fluoranthene (206-44-0)	10
hexachlorobenzene (118-07-1)	10
hexachlorobutadiene (87-68-3)	10
hexachlorocyclopentadiene (77-47-4)	10
hexachloroethane (67-72-1)	20
isophorone (78-59-1)	10
nitrobenzene (98-95-3)	10
N-nitrosodimethylamine (62-75-9)	50
N-nitrosodiphenylamine (86-30-6)	20
PESTICIDES & PCBs	
aldrin (309-00-2)	0.05
PCB's (Total)	1.0
gamma-BHC (Lindane, Hexachlorocyclohexane) (58-89-9)	0.05
chlordane (57-74-9)	0.2
4,4"DDD (TDE) (72-54-8)	0.1
4,4"DDE (72-55-9)	0.1
4,4"DDT (50-29-3)	0.1
Dieldrin (60-57-1)	0.1
endosulfan I (alpha) (115-29-7)	0.1
endosulfan II (beta) (115-29-7)	0.1
endrin (72-20-8)	0.1
heptachlor (76-44-8)	0.05
Methoxychlor	---
2,3,7,8-tetrachlorodibenzo-p-dioxin (1764-01-6)	---
toxaphene (8001-35-2)	5.0
2,4-dichlorophenoxyacetic acid (2,4-D) (94-75-7)	10
2-(2,4,5-trichlorophenoxy)proprionic acid	4
METALS	
antimony (7440-36-0)	60
arsenic (7440-38-2)	10
Barium	---
beryllium (7440-41-7)	5
cadmium (7440-43-9)	1
chromium III (16065-83-1)	10
chromium VI (7440-47-3)	10

copper (7550-50-8)	10
lead (7439-92-1)	5
Flouride	---
mercury (7439-97-6)	0.2
nickel (7440-02-0)	40
nitrate (as N)	---
selenium (7782-49-2)	5
silver (7440-22-4)	2
thallium (7440-28-0)	10
zinc (7440-66-6)	20
MISCELLANEOUS	
Cyanide	20
total phenols	5

X. **PREVIOUS PERMITS:**

LPDES Permit No. LA0042048: Effective: February 1, 2005
Expires: January 31, 2010

During the period beginning the effective date of the permit and lasting through completion of construction to upgrade, by April 1, 2007, but no later than July 1, 2007 (Design 6.4 MGD)

Effluent Characteristic	Discharge Limitations Monthly Avg.	Monthly Avg.	Weekly Avg.	Monitoring Requirements Measurement Frequency	Sample Type
Flow	---	Report	Report	Continuous	Recorder
BOD_5	2815 lbs/day	34 mg/l	48 mg/l	5/week	12HrComposite
TSS	2815 lbs/day	30 mg/l	45 mg/l	5/week	12HrComposite
pH	Range (6.0 su – 9.0 su)			5/week	Grab
Fecal Coliform Colonies/100ml	---	200	400	5/week	Grab
Phosphorus	---	Report	Report	1/quarter	Grab
Kjedahl Nitrogen (Total as N)	---	Report	Report	1/quarter	Grab
Toxic Substances	---	---	---	1/6 months	24HrComposite
Biomonitoring					
Pimephales promelas	--- Report	Report	---	1/year	24 Hr Comp
Daphnia pulex	--- Report	Report	---	1/year	24 Hr Comp

The permit contains biomonitoring.
The permit contains pollution prevention language.
The permit contains pretreatment option 1 language.

During the period beginning upon completion of construction to upgrade, by April 1, 2007, but no later than July 1, 2007 and lasting through the expiration date of the permit. (Design 11.25 MGD)

Effluent Characteristic	Discharge Limitations Monthly Avg.		Monthly Avg.	Weekly Avg.	Monitoring Requirements Measurement Frequency	Sample Type
Flow	---		Report	Report	Continuous	Recorder
BOD_5	2815 lbs/day		30 mg/l	45 mg/l	1/day	12Hr Composite
TSS	2815 lbs/day		30 mg/l	45 mg/l	1/day	12Hr Composite
pH	Range (6.0 su – 9.0 su)				1/day	Grab
Fecal Coliform Colonies/100ml	---		200	400	1/day	Grab
Phosphorus	---		Report	Report	1/quarter	Grab
Kjedahl Nitrogen (Total as N)	---		Report	Report	1/quarter	Grab
Toxic Substances	---		---	---	1/6 months	24Hr Composite
Biomonitoring						
Pimephales promelas	---	Report	Report	---	1/year	24 Hr Comp
Daphnia pulex.	---	Report	Report	---	1/year	24 Hr Comp

The permit contains biomonitoring.
The permit contains pollution prevention language.
The permit contains pretreatment option 1 language.

ENFORCEMENT AND SURVEILLANCE ACTIONS:

A) Inspections

A review of the files indicates the following most recent inspections performed for this facility.

Date –December 6, 2007
Inspector - LDEQ
Findings and/or Violations –

Routine Facility inspection revealed the following areas of concern:

1. One of two belt presses is inoperable. The larger mechanical bar screen is inoperable.
2. The new treatment train was observed. A heavy scum is generated in the aeration basin and transferred to the final clarifier. Particulates could be seen leaving the clarifier with the effluent.
3. The sampling refrigerator has an electronic thermometer. Iw was reading 15.7°C.
4. The staff gauges have corroded away. There is no way to check the accuracy of the flow meters if the level in the flume is less than 12"
5. The chart on the recorder has no grid and the pen does not work.

Date – September 9, 2008
Inspector – LDEQ
Findings and/or Violations –

A Hurricane Assessment was conducted to assess damage from Hurricane Gustav. Facility lost power to lift stations and wastewater treatment plant resulting in no flow. There was a possible release from lift stations. There were no generators for the WWTP, therefore, there was no power until approximately September 3, 2008. The wastewater treatment plant became septic. Discharge to receiving stream resumed after power was restored. Sampling resumed September 4, 2008. Effluent discharge appeared mildly turbid.

Date – September 17, 2008
Inspector – LDEQ
Findings and/or Violations –

A Hurricane Assessment was conducted to assess damage from Hurricane Ike. There was no damage to the facility. The plant lost power from September 15, 2008 to September 17, 2008. There was no generator at the plant.

Date – January 09, 2009
Inspector – LDEQ
Findings and/or Violations –

A phone call inspection was conducted as a result of an incident report in which there was a release from an 18 inch force main for the Marrero Sewage Treatment Plant. The piping release was six feet underground, approximately 25 feet from the Bent Tree Canal in a wooded area. The release was discovered the morning of 01-05-09 and repaired on 01-07-09 in the evening. 3300 gallons of wastewater was pumped to the Bent Tree Canal in order to make repairs to the force main. The seven day written notification letter was submitted on 01-13-09.

B) Compliance and/or Administrative Orders

A review of the files indicates that enforcement actions have been administered against this facility as follows:

April 21, 2009 –
Consolidated Compliance Order & Notice of Potential Penalty, Enforcement Tracking No. WE-CN-07-0233, was issued as a result of a facility inspection conducted on December 6, 2007 and permit violations discovered during file review. The Compliance Order ordered the facility to do the following:

I. Immediately take, upon receipt of this Compliance Order, any and all steps necessary to meet and maintain compliance with the permit limitations and conditions contained in LPDES permit LA0042048, including, but not limited to proper operation and maintenance and properly sampling the effluent as specified in permit requirements.

II. The facility is also ordered to submit to the Enforcement Division, within thirty (30) days after receipt of this Compliance Order, a written report that includes a detailed description of the circumstances surrounding the cited

violations and actions taken or to be taken to achieve compliance with the Order Portion of this Compliance Order.

C) DMR Review

A review of EDMS revealed the following excursions for the period January, 2007 to July, 2009:

Date	Parameter	Permit Limit	Reported Value
01-07	BOD_5 (monthly avg.)	34 mg/l	47 mg/l
	BOD_5 (weekly avg.)	48 mg/l	62 mg/l
	BOD_5 (monthly loading avg.)	3757 lbs/day	5301 lbs/day
	TSS (monthly avg.)	34 mg/l	66 mg/l
	TSS (weekly avg.)	48 mg/l	76 mg/l
	TSS (monthly loading avg.)	3757 lbs/day	7793 lbs/day
	Fecal Coliform (monthly avg.)	200 col./100 ml	451 col./100 ml
	Fecal Coliform (weekly avg.)	400 col./100 ml	24,920 col./100 ml
02-07	TSS (monthy avg.)	34 mg/l	37 mg/l
	TSS (weekly avg.)	48 mg/l	66 mg/l
03-07	BOD_5 (monthly avg.)	34 mg/l	38 mg/l
	TSS (monthly avg.)	34 mg/l	59 mg/l
	TSS (weekly avg.)	48 mg/l	74 mg/l
	TSS (montly loading avg.)	3757 lbs/day	4501 lbs/day
04-07	TSS (monthly avg.)	34 mg/l	44 mg/l
	TSS (weekly avg.)	48 mg/l	66 mg/l
05-07	Fecal Coliform (weekly avg.)	400 col./100 ml	14,532 col./100 ml
01-08	TSS (monthly avg.)	30 mg/l	35 mg/l
	TSS (weekly avg.)	45 mg/l	65 mg/l
	TSS (monthly loading avg.)	2815 lbs/day	3803 lbs/day
	Fecal Coliform (weekly avg.)	400 col./100 ml	1039 col./100 ml
02-08	TSS (weekly avg.)	45 mg/l	60 mg/l
	TSS (monthly loading avg.)	2815 lbs/day	2820 lbs/day
03-08	TSS (monthly avg.)	30 mg/l	32 mg/l
	TSS (weekly avg.)	45 mg/l	56 mg/l
05-08	TSS (monthly loading avg.)	2815 lbs/day	3931 lbs/day
06-08	TSS (monthly avg.)	30 mg/l	31 mg/l
	TSS (weekly avg.)	45 mg/l	75 mg/l
	TSS (montly loading avg.)	2815 lbs/day	2908 lbs/day
09-08	Fecal Coliform (weekly avg.)	400 col./100 ml	609 col./100 ml
10-08	TSS (monthly avg.)	30 mg/l	34 mg/l
11-08	TSS (montly avg.)	30 mg/l	34 mg/l
	TSS (weekly avg.)	45 mg/l	51 mg/l
01-09	BOD_5 (monthly avg.)	30 mg/l	64 mg/l
	BOD_5 (weekly avg.)	45 mg/l	87 mg/l
	BOD_5 (monthly loading avg.)	2815 lbs/day	5251 lbs/day
	TSS (monthly avg.)	30 mg/l	31 mg/l
	TSS (weekly avg.)	45 mg/l	48 mg/l

Date	Parameter	Permit Limit	Reported Value
02-09	BOD_5 (monthly avg.)	30 mg/l	78 mg/l
	BOD_5 (weekly avg.)	45 mg/l	177 mg/l
	BOD_5 (monthly loading avg.)	2815 lbs/day	5090 lbs/day
	TSS (monthly avg.)	30 mg/l	34 mg/l
	TSS (weekly avg.)	45 mg/l	62 mg/l
06-09	BOD_5 (weekly avg.)	45 mg/l	53 mg/l
	TSS (monthly avg.)	30 mg/l	63 mg/l
	TSS (weekly avg.)	45 mg/l	135 mg/l
	TSS (monthly loading avg.)	2815 lbs/day	4036 lbs/day

XII. ADDITIONAL INFORMATION:

LDEQ reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future. Additional limitations and/or restrictions are based upon water quality studies and can indicate the need for advanced wastewater treatment. Water quality studies of similar dischargers and receiving water bodies have resulted in monthly average effluent limitations of 5mg/L $CBOD_5$ and 2 mg/L NH_3-N. Prior to upgrading or expanding this facility, the permittee should contact LDEQ to determine the status of the work being done to establish future effluent limitations and additional permit conditions.

The nearest drinking water intake is located approximately 1.5 river miles downstream from the discharge point.

Final effluent loadings (i.e. lbs/day) have been established based upon the permit limit concentrations and the design capacity of 11.25 MGD.

Effluent loadings are calculated using the following example:

BOD_5: 8.34 gal/lb x 11.25 MGD x 30 mg/l = 2815 lbs/day

The Monitoring Requirements, Sample Types, and Frequency of Sampling for the facility are described below:

Outfall 001 – treated sanitary wastewater

Effluent Characteristics	Monitoring Requirements: Measurement Frequency	Monitoring Requirements: Sample Type
Flow	Continuous	Recorder
BOD_5	1/day	12 Hr. Composite
Total Suspended Solids	1/day	12 Hr. Composite
Fecal Coliform Bacteria	1/day	Grab
pH	1/day	Grab
Toxic Substances	1/6 months	24 Hr. Composite
Biomonitoring Daphnia pulex	1/year	24 Hr. Composite
Pimephales promelas	1/year	24 Hr. Composite

Pretreatment Requirements

Based upon consultation with LDEQ pretreatment personnel, LDEQ Option 2A Pretreatment Language is required for this facility.

Pollution Prevention Requirements

The permittee shall institute or continue programs directed towards pollution prevention. The permittee shall institute or continue programs to improve the operating efficiency and extend the useful life of the facility. The permittee will complete an annual Environmental Audit Report each year for the life of this permit according to the schedule below. The permittee will accomplish this requirement by completing an Environmental Audit Form which has been attached to the permit. All other requirements of the Municipal Wastewater Pollution Prevention Program are contained in Part II of the permit.

The audit evaluation period is as follows:

Audit Period Begins	Audit Period Ends	Audit Report Completion Date
Effective Date of Permit	12 Months from Audit Period Beginning Date	3 Months from Audit Period Ending Date

Stormwater Discharges

Because the design flow of the Marrero Wastewater Treatment Plant is equal to or greater than 1.0 MGD and in accordance with LAC 33:IX.2511.B.14.i, the facility may contain storm water discharges associated with industrial activity. Therefore, in accordance with LAC 33:IX.2511.A.1.b, specific requirements addressing stormwater discharges will be included in the discharge permit.

XIII TENTATIVE DETERMINATION:

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to reissue a permit for the discharge described in this Statement of Basis.

XIV REFERENCES:

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 8, "Wasteload Allocations / Total Maximum Daily Loads and Effluent Limitations Policy," Louisiana Department of Environmental Quality, 2005.

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